2006-08 ENGINE

Cooling System - Civic GX

COMPONENT LOCATION INDEX

NOTE: Refer to the COOLING SYSTEM (R18A1) (EXCEPT HYBRID) article for items not shown in this article.

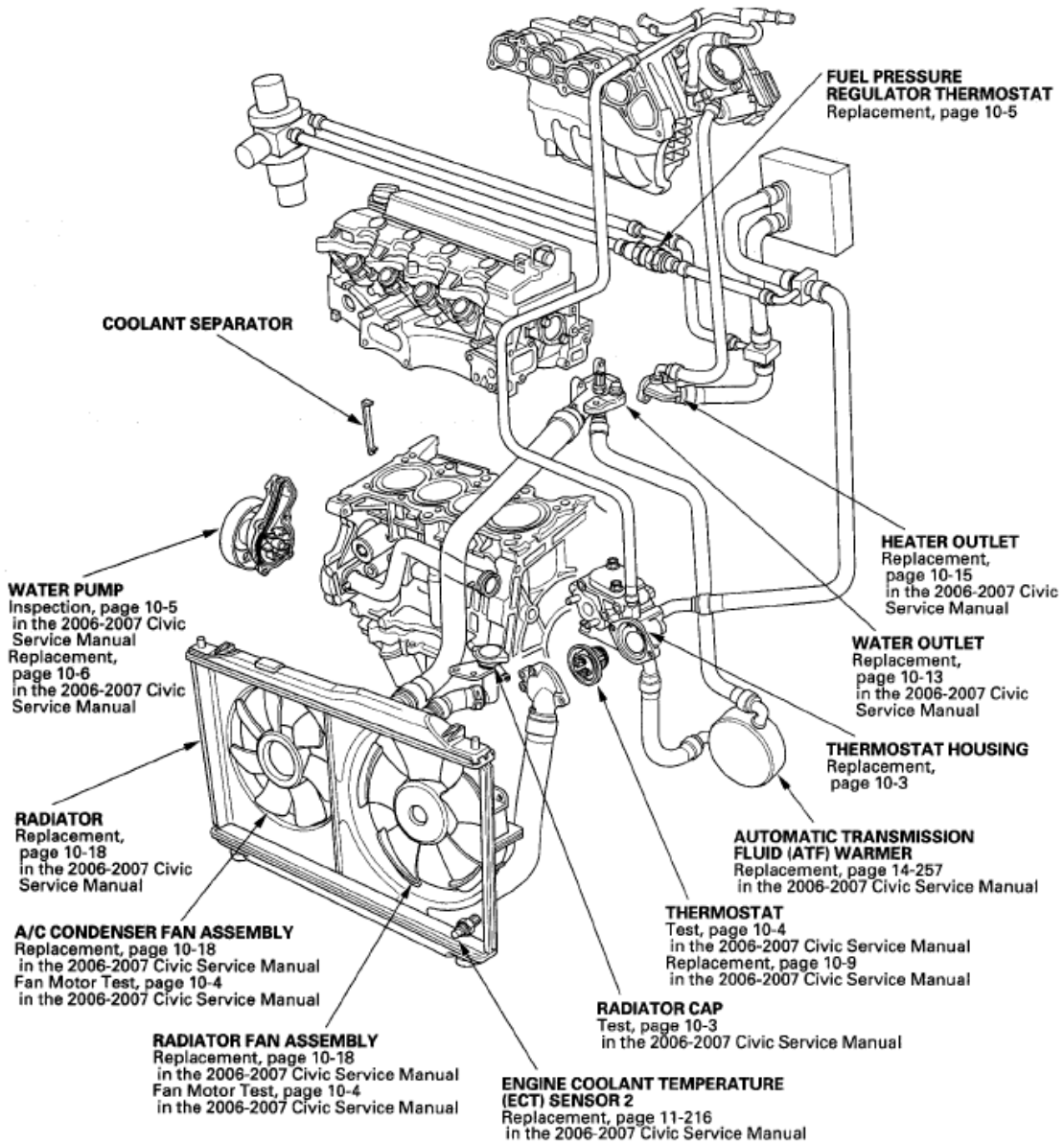
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Fig. 1: Identifying Cooling System Components

THERMOSTAT HOUSING REMOVAL AND INSTALLATION

REMOVAL

1. Drain the engine coolant, refer to the **THERMOSTAT REPLACEMENT** .
2. Remove the air cleaner housing assembly, refer to the **AIR CLEANER REMOVAL/INSTALLATION** .
3. Remove the harness bracket (A), and cover the air fuel ratio (A/F) sensor connector and secondary heated oxygen sensor (secondary HO2S) connector with a tape to protect the connectors from engine coolant, then remove the lower radiator hose (B), the water bypass hoses (C), and the heater hose (D).

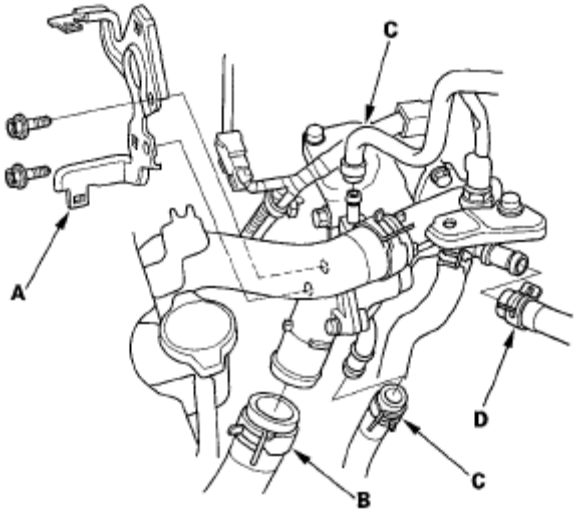

Fig. 2: Identifying Harness Bracket, Radiator Hose, Water Bypass Hoses And Heater Hose

4. Remove the thermostat housing.

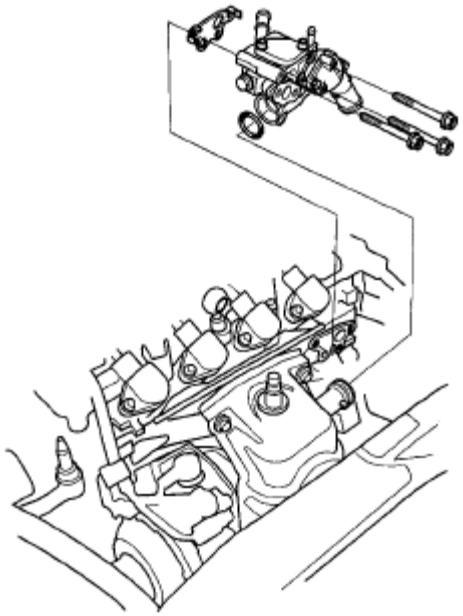

Fig. 3: Identifying Thermostat Housing With Bolts

5. Remove the exhaust gas recirculation (EGR) plate (A), thermostat cover (B), and thermostat (C).

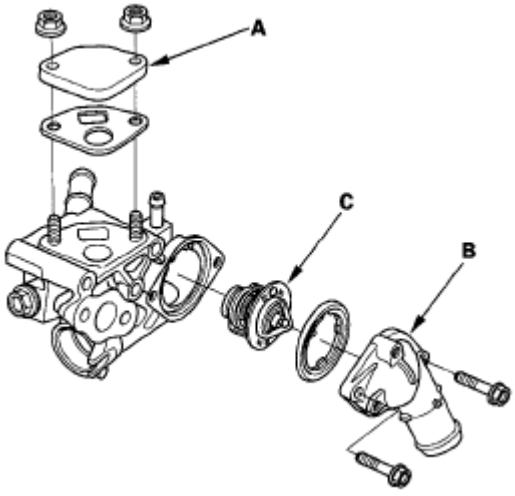

Fig. 4: Identifying Exhaust Gas Recirculation (EGR) Plate, Thermostat Cover And Thermostat

INSTALLATION

1. Install the new rubber seal (A) onto the thermostat, then install the thermostat (B) with pin (C) up, and install the thermostat cover (D).

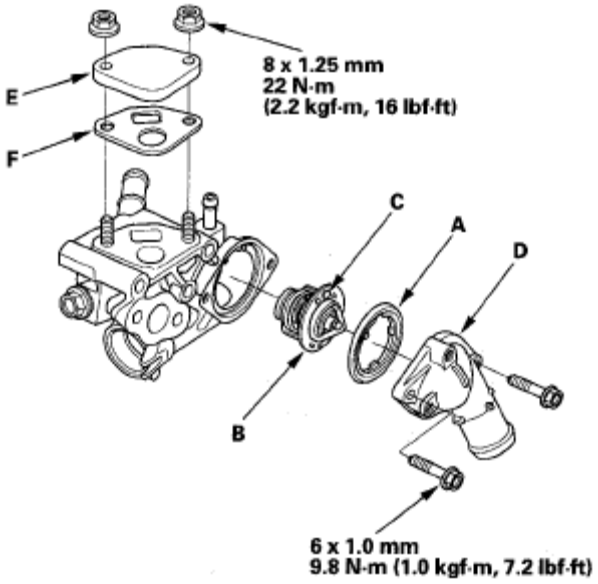

Fig. 5: Identifying Rubber Seal, Thermostat, Pin And Thermostat Cover

2. Install the EGR plate (E) with a new gasket (F).
3. Install the thermostat housing (A), using a new gasket (B) and new O-ring (C).

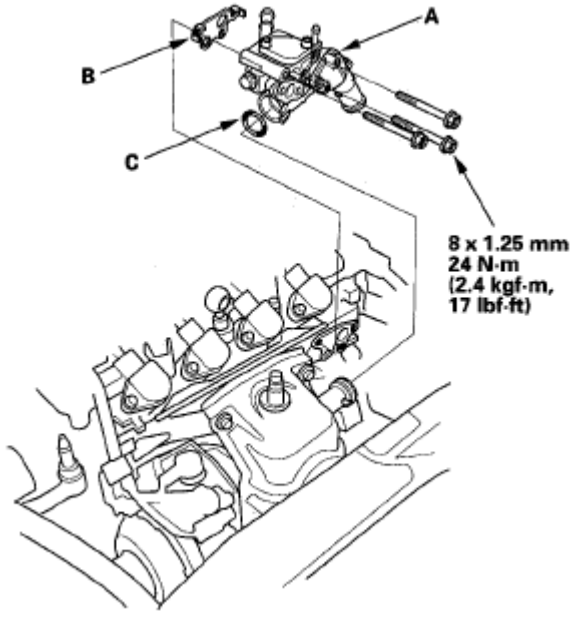

Fig. 6: Identifying Thermostat Housing, Gasket And O-Ring

4. Install the lower radiator hose (A), heater hose (B), and water bypass hoses (C), then install the harness bracket (D).

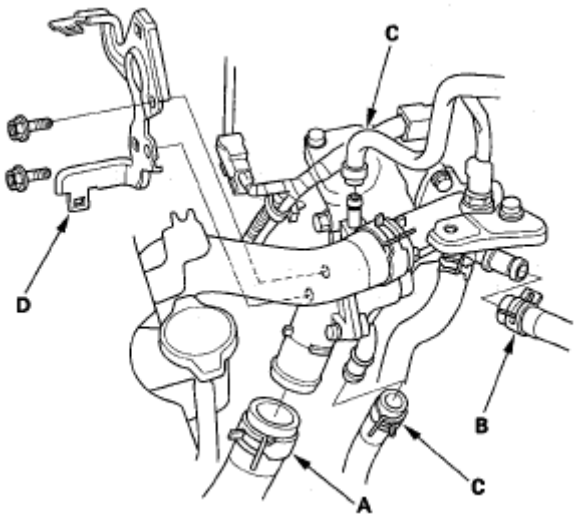

Fig. 7: Identifying Lower Radiator Hose, Heater Hose And Water Bypass Hoses

5. Install the air cleaner housing assembly, refer to the **AIR CLEANER REMOVAL/INSTALLATION** .
6. Refill the radiator with engine coolant, and bleed the air from the cooling system with the heater valve open, refer to the **COOLANT REPLACEMENT** .

FUEL PRESSURE REGULATOR THERMOSTAT REPLACEMENT

1. Remove the cowl panel and under-cowl cover, refer to the **COWL COVER REPLACEMENT** .
2. Remove the water bypass hoses (A) from the fuel pressure regulator thermostat, then plug the hoses.

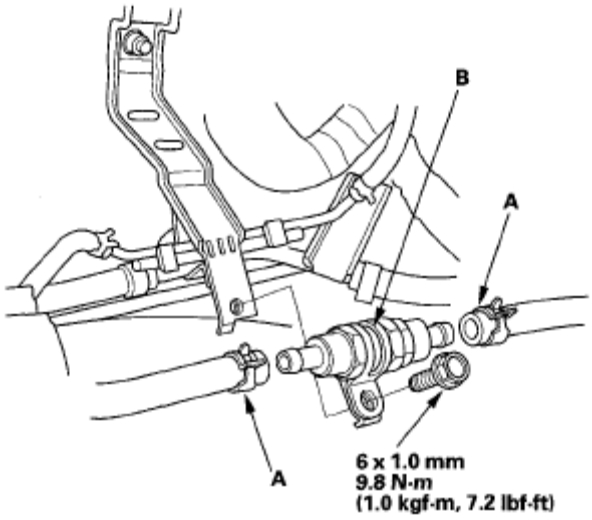

Fig. 8: Identifying Water Bypass Hoses And Fuel Pressure Regulator Thermostat

3. Remove the fuel pressure regulator thermostat (B).
4. Install the fuel pressure regulator thermostat in the reverse order of removal.
5. Install the cowl panel and under-cowl cover, refer to the **COWL COVER REPLACEMENT** .
6. Refill the radiator with engine coolant, and bleed the air from the cooling system with the heater valve open, refer to the **COOLANT REPLACEMENT** .